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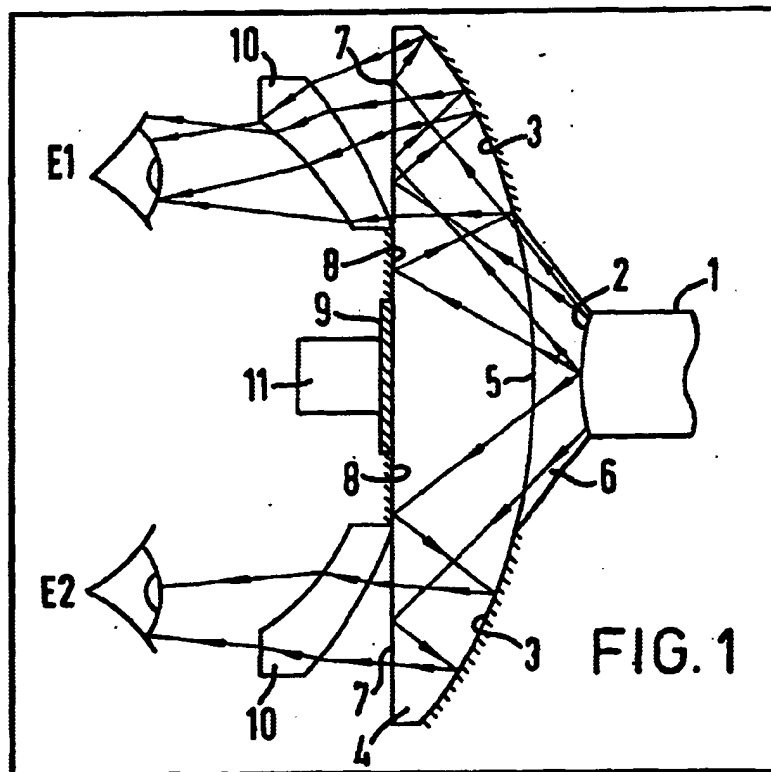
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(54) Biocular viewing optical apparatus

(57) Optical apparatus for biocular viewing which is small and of light weight comprises a solid optical element (4,6) having a face (7) which internally reflects light from an image surface (2) to internally concave reflecting areas (3) which reflect the light back to the face (7) to emerge as two beams travelling towards respective eye positions (E1, E2) via a corrector lens (10). The apparatus can be used in night vision goggles having a single image intensifier tube providing the image surface.

As shown, the apparatus also comprises a light-absorbing plate (9) and an additional display source (11) from which projected light passes through a hole (not shown) in plate (9) to form a real image on surface (2).



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